**Revision Motor unit exam question**

1. Draw and label a motor unit. (3)



**Circle your answer. What two structures meet at the neuromuscular junction?**

 **(a) T tubules and SR;**

 **(b) sarcolemma and T tubules;**

**(c) an axon and the SR;**

 **(d) an axon and the sarcolemma;**

**(e) an axon and thick myofilaments**

In order for a muscle to contract, one or more motor units will be stimulated and will follow the ‘all or none’ law.

Describe the structure of a motor unit. (2)

**Motor neurone and number of muscle fibres**

What is the ‘all or none’ law? (1)

**When stimulated all of the muscles fibres within the motor unit contract or none at all.**

What is the effect of stimulating more motor units? (2)

**Increase strength and force of contraction**